

●Ultrasonically Cleanable Models (UL, CSA certified)

| Enclosure rating | Relay Function | | Single-side stable | | Single-winding latching | | Double-winding latching | | Minimum packing unit |
|------------------|--------------------------------|--------------------|--------------------|--------------------|-------------------------|--------------------|-------------------------|--------------------|----------------------|
| | Contact form | Terminals | Model | Rated coil voltage | Model | Rated coil voltage | Model | Rated coil voltage | |
| Fully sealed | SPST-NO (1a) | Straight PCB | G6C-1114P-US-U | 3 VDC | G6CU-1114P-US-U | – | G6CK-1114P-US-U | – | 100 pcs/ tray |
| | | | | 5 VDC | | 5 VDC | | 5 VDC | |
| | | | | 6 VDC | | – | | – | |
| | | | | 12 VDC | | 12 VDC | | 12 VDC | |
| | | | | 24 VDC | | – | | 24 VDC | |
| | | – | – | – | | | | | |
| | Self-clinching PCB | G6C-1114C-US-U | 12 VDC | – | – | – | | | |
| | | | 24 VDC | – | – | – | | | |
| | SPST-NO (1a) + SPST-NC (1b) | Straight PCB | G6C-2114P-US-U | 5 VDC | – | – | G6CK-2114P-US-U | 5 VDC | |
| | | | | 12 VDC | | | | 12 VDC | |
| | | | | 24 VDC | | | | – | |
| | | Self-clinching PCB | G6C-2114C-US-U | 5 VDC | – | – | – | – | |
| 12 VDC | | | | – | | | | | |
| 24 VDC | | | | – | | | | | |

Note. When ordering, add the rated coil voltage to the model number.

Example: G6C-1114P-US-U DC3

DC3 — Rated coil voltage

However, the notation of the coil voltage on the product case as well as on the packing will be marked as □□ VDC.

●Connecting Sockets (Sold Separately)

| Applicable relays | Model | Minimum packing unit |
|--|---------|----------------------|
| G6C-2114P-US-P6C G6C-2117P-US-P6C G6C-1114P-US-P6C G6C-1117P-US-P6C G6CU-2114P-US-P6C G6CU-2117P-US-P6C G6CU-1114P-US-P6C G6CU-1117P-US-P6C | P6C-06P | 20 pcs/tube |
| G6CK-2114P-US-P6C G6CK-2117P-US-P6C G6CK-1114P-US-P6C G6CK-1117P-US-P6C | P6C-08P | |
| Removal Tool | P6B-Y1 | 1 |
| Hold-down Clips | P6B-C2 | |

Note 1. Use the G6C-□□□□P-US-P6C to mount to a P6C Socket.

Note 2. When using by combining sockets, the rated current will be 5A due to its rated switching current.

■ Ratings

Coil: 1-Pole, Single-side Stable Type (Including models for ultrasonically cleanable)

| Item | Rated current (mA) | Coil resistance (Ω) | Must operate voltage (V) | Must release voltage (V) | Max. voltage (V) | Power consumption (mW) |
|---------------|--------------------|---------------------|--------------------------|--------------------------|------------------|------------------------|
| Rated voltage | | | % of rated voltage | | | |
| 3 VDC | 67 | 45 | 70% max. | 10% min. | 160% (at 23°C) | Approx. 200 |
| 5 VDC | 40 | 125 | | | | |
| 6 VDC | 33.3 | 180 | | | | |
| 12 VDC | 16.7 | 720 | | | | |
| 24 VDC | 8.3 | 2,880 | | | | |

Coil: Single-winding Latching Type (Including models for ultrasonically cleanable)

| Item | Rated current (mA) | Coil resistance (Ω) | Must set voltage (V) | Must reset voltage (V) | Max. voltage (V) | Power consumption | |
|---------------|--------------------|---------------------|----------------------|------------------------|------------------|-------------------|-----------------|
| | | | | | | Set coil (mW) | Reset coil (mW) |
| Rated voltage | | | % of rated voltage | | | | |
| 3 VDC | 67 | 45 | 70% max. | 70% max. | 160% (at 23°C) | 200 | 200 |
| 5 VDC | 40 | 125 | | | | | |
| 6 VDC | 33.3 | 180 | | | | | |
| 12 VDC | 16.7 | 720 | | | | | |
| 24 VDC | 8.3 | 2,880 | | | | | |

Coil: Double-winding Latching Type (Including models for ultrasonically cleanable)

| Item | Rated current (mA) | | Coil resistance (Ω) | | Must set voltage (V) | Must reset voltage (V) | Max. voltage (V) | Power consumption | |
|---------------|--------------------|------------|---------------------|------------|----------------------|------------------------|------------------|-------------------|-----------------|
| | Set coil | Reset coil | Set coil | Reset coil | | | | Set coil (mW) | Reset coil (mW) |
| Rated voltage | | | % of rated voltage | | | | | | |
| 3 VDC | 93.5 | 93.5 | 32.1 | 32.1 | 70% max. | 70% max. | 130% (at 23°C) | 280 | 280 |
| 5 VDC | 56.0 | 56.0 | 89.3 | 89.3 | | | | | |
| 6 VDC | 46.7 | 46.7 | 129 | 129 | | | | | |
| 12 VDC | 23.3 | 23.3 | 514 | 514 | | | | | |
| 24 VDC | 11.7 | 11.7 | 2,056 | 2,056 | | | | | |

Note 1. The rated current and coil resistance are measured at a coil temperature of 23°C with a tolerance of ±10%.

2. The operating characteristics are measured at a coil temperature of 23°C.

3. The "Max. voltage" is the maximum voltage that can be applied to the relay coil.

Contact

| Contact Form | SPST-NO (1a) | | SPST-NO (1a) + SPST-NC (1b) | |
|------------------------|--|---|---|---|
| | Resistive load | Inductive load (cosφ = 0.4; L/R = 7 ms) | Resistive load | Inductive load (cosφ = 0.4; L/R = 7 ms) |
| Rated load | 10 A (8 A) at 250 VAC 10 A (10 A) at 30 VDC | 5 A (5 A) at 250 VAC 5 A (5 A) at 30 VDC | 8 A (8 A) at 250 VAC 8 A (8 A) at 30 VDC | 3.5 A (3.5 A) at 250 VAC 3.5 A (3.5 A) at 30 VDC |
| Item | | | | |
| Contact type | Single | | | |
| Contact material | Ag-Alloy (Cd free) | | | |
| Rated carry current | 10 A (10 A) | | 8 A (8 A) | |
| Max. switching voltage | 380 VAC, 125 VDC | | | |
| Max. switching current | 10 A (10 A) | | 8 A (8 A) | |

Note. The values shown in parentheses () are for -FD models only.